

### Abstract

An execution device executes an application program created  
5 in an object-oriented language. An application includes one or more  
classes that each have one or more methods, and confidentiality  
information that expresses whether or not confidentiality is necessary.  
The execution device determines whether or not encryption is necessary,  
with reference to the confidentiality information, and when the method  
10 is to be executed, records, in a memory, an object including data  
that the method manipulates. When it is determined that encryption  
is necessary, the object is recorded with the data encrypted.